SUBJECT INDEX

Accretion

Ice and Snow Accretion on Structures by Graham Poots, Edward P. Lozowski, CR Mar. 99, p54-55.

Aeration

Performance Evaluation of Aerated Lagoon in Summer and Winter Conditions, Rao Y. Surampalli, Sipong Ninaroon and Shankha K. Banerji, CR Sept. 99, p153-163.

Biochemical oxygen demand

Performance Evaluation of Aerated Lagoon in Summer and Winter Conditions, Rao Y. Surampalli, Sipong Ninaroon and Shankha K. Banerji, CR Sept. 99, p153-163.

Centrifuge model

Flexural Behavior of Model Sea Ice in Centrifuge, P. D. Barrette, R. Phillips, J. I. Clark, G. Crocker and S. J. Jones, CR Sept. 99, p122-138.

Channels, waterways

Ice-Cover Influence on Near-Field Mixing in Dune-Bed Channel: Numerical Simulation, Cheng-Ann Tan, Sanjiv K. Sinha and Robert Ettema, CR Mar. 99, p1-20.

Chemicals

Frost Resistance of Concrete: Proceedings of the International RILEM Workshop on Resistance of Concrete to Freezing and Thawing With or Without Deicing Chemicals edited by M. J. Setzer and R. Auberg, J. J. Beaudoin, CR Mar. 99, p56-58.

Climatic changes

Glacial Lake Outburst Floods in Upper Nainchu River Basin, Tibet, Chujun Chen, Tiefeng Wang, Zhi Zhang and Zhiqiang Liu, CR Dec. 99, p199-212.

Climatic data

Multiple Linear Regressions for Lake Ice and Lake Temperature Characteristics, Shaobai Gao and Heinz G. Stefan, CR June 99, p59-77.

Cold regions

Magnitude and Variability of Biogenic Interference in Cold Regions Soils, C. R. Woolard, D. M. White, J. L. Walworth and M. E. Hannah, CR Sept. 99, p113-121.

Cold weather construction

Cold Weather Concreting by Boris A. Krylov, Charles J. Korhonen, CR Dec. 99, p213-214.

Cold weather operations

Natural Freezing, Drying, and Composting for Treatment of Septic Sludge, Annelie Hedström and Jörgen Hanaeus, CR Dec. 99, p167-179.

Comparative studies

Comparison of ICEJAM and RIVJAM Ice Jam Profile Models, D. Healy and F. Hicks, CR Dec. 99, p180-198.

Composting

Natural Freezing, Drying, and Composting for Treatment of Septic Sludge, Annelie Hedström and Jörgen Hanaeus, CR Dec. 99, p167-179.

Compressive strength

Field Testing of Stabilized Soil, Vincent C. Janoo, Anthony J. Firicano, Lynette A. Barna and Sherri A. Orchino, CR Mar. 99, p37-53.

Concrete

Cold Weather Concreting by Boris A. Krylov, Charles J. Korhonen, CR Dec. 99, p213-214.

Concrete durability

Frost Resistance of Concrete: Proceedings of the International RILEM Workshop on Resistance of Concrete to Freezing and Thawing With or Without Deicing Chemicals edited by M. J. Setzer and R. Auberg, J. J. Beaudoin, CR Mar. 99, p56-58.

Concrete properties

Cold Weather Concreting by Boris A. Krylov, Charles J. Korhonen, CR Dec. 99, p213-214.

Contaminants

Ice-Cover Influence on Near-Field Mixing in Dune-Bed Channel: Numerical Simulation, Cheng-Ann Tan, Sanjiv K. Sinha and Robert Ettema, CR Mar. 99, p1-20.

Underground Leakage into Freezing Ground, S. J. Han, D. J. Goodings, A. Torrents and M. Zeinali, CR June 99, p103-112.

Contamination

Site Investigations of Fuel Spill Migration into Permafrost, Kevin W. Biggar, Saleh Haidar, Michael Nahir and Peter M. Jarrett, CR June 98, p84-104.

Cyclic loads

Servo-Hydraulic Pin Loading Device (HPLD) for In-Situ Ice Testing, M. R. Vincent and J. P. Dempsey, CR Mar. 99, p21-36.

Dam breaches

Glacial Lake Outburst Floods in Upper Nainchu River Basin, Tibet, Chujun Chen, Tiefeng Wang, Zhi Zhang and Zhiqiang Liu, CR Dec. 99, p199-212.

Deicing

Frost Resistance of Concrete: Proceedings of the International RILEM Workshop on Resistance of Concrete to Freezing and Thawing With or Without Deicing Chemicals edited by M. J. Setzer and R. Auberg, J. J. Beaudoin, CR Mar. 99, p56-58.

Dewatering

Natural Freezing, Drying, and Composting for Treatment of Septic Sludge, Annelie Hedström and Jörgen Hanaeus, CR Dec. 99, p167-179.

Discharge

Ice-Cover Influence on Near-Field Mixing in Dune-Bed Channel: Numerical Simulation, Cheng-Ann Tan, Sanjiv K. Sinha and Robert Ettema, CR Mar. 99, p1-20.

Dye studies

Underground Leakage into Freezing Ground, S. J. Han, D. J. Goodings, A. Torrents and M. Zeinali, CR June 99, p103-112.

Dynamics
Numerical Study of Ice-Jam Dynamics in Upper Niagara River, Shunan Lu, Hung Tao Shen and Randy D. Crissman, CR June 99, p78-102.

Field tests
Field Testing of Stabilized Soil, Vincent C. Janoo, Anthony J. Firicano, Lynette A. Barna and Sherri A. Orchino, CR Mar. 99, p37-53.

Flexural strength
Flexural Behavior of Model Sea Ice in Centrifuge, P. D. Barrette, R. Phillips, J. I. Clark, G. Crocker and S. J. Jones, CR Sept. 99, p122-138.

Flood forecasting
Glacial Lake Outburst Floods in Upper Nainchu River Basin, Tibet, Chujun Chen, Tiefeng Wang, Zhi Zhang and Zhiqiang Liu, CR Dec. 99, p199-212.

Flooding
Glacial Lake Outburst Floods in Upper Nainchu River Basin, Tibet, Chujun Chen, Tiefeng Wang, Zhi Zhang and Zhiqiang Liu, CR Dec. 99, p199-212.

Flow distribution
Ice-Cover Influence on Near-Field Mixing in Dune-Bed Channel: Numerical Simulation, Cheng-Ann Tan, Sanjiv K. Sinha and Robert Ettema, CR Mar. 99, p1-20.

Fracture strength
Servo-Hydraulic Pin Loading Device (HPLD) for In-Situ Ice Testing, M. R. Vincent and J. P. Dempsey, CR Mar. 99, p21-36.

Freeze-thaw durability
Field Testing of Stabilized Soil, Vincent C. Janoo, Anthony J. Firicano, Lynette A. Barna and Sherri A. Orchino, CR Mar. 99, p37-53.

Freezing
Cold Weather Concreting by Boris A. Krylov, Charles J. Korhonen, CR Dec. 99, p213-214.

Frost Resistance of Concrete: Proceedings of the International RILEM Workshop on Resistance of Concrete to Freezing and Thawing With or Without De-Icing Chemicals edited by M. J. Setzer and R. Auberg, J. J. Beaudoin, CR Mar. 99, p56-58.

Natural Freezing, Drying, and Composting for Treatment of Septic Sludge, Annelie Hedström and Jörgen Hanaeus, CR Dec. 99, p167-179.

Frozen soils
Underground Leakage into Freezing Ground, S. J. Han, D. J. Goodings, A. Torrents and M. Zeinali, CR June 99, p103-112.

Fuels
Site Investigations of Fuel Spill Migration into Permafrost, Kevin W. Biggar, Saleh Haidar, Michael Nahir and Peter M. Jarrett, CR June 98, p84-104.

Full-scale tests
Natural Freezing, Drying, and Composting for Treatment of Septic Sludge, Annelie Hedström and Jörgen Hanaeus, CR Dec. 99, p167-179.

TLD Technique for Reducing Ice-Induced Vibration on Platforms, Xing Chen, Lingyu Wang and Jizu Xu, CR Sept. 99, p139-152.

Glacial lakes
Glacial Lake Outburst Floods in Upper Nainchu River Basin, Tibet, Chujun Chen, Tiefeng Wang, Zhi Zhang and Zhiqiang Liu, CR Dec. 99, p199-212.

Hydraulic models
Comparison of ICEJAM and RIVJAM Ice Jam Profile Models, D. Healy and F. Hicks, CR Dec. 99, p180-198.

Hydraulics
Servo-Hydraulic Pin Loading Device (HPLD) for In-Situ Ice Testing, M. R. Vincent and J. P. Dempsey, CR Mar. 99, p21-36.

Hydrocarbons
Site Investigations of Fuel Spill Migration into Permafrost, Kevin W. Biggar, Saleh Haidar, Michael Nahir and Peter M. Jarrett, CR June 98, p84-104.

Hydrodynamics
Numerical Study of Ice-Jam Dynamics in Upper Niagara River, Shunan Lu, Hung Tao Shen and Randy D. Crissman, CR June 99, p78-102.

Ice
Flexural Behavior of Model Sea Ice in Centrifuge, P. D. Barrette, R. Phillips, J. I. Clark, G. Crocker and S. J. Jones, CR Sept. 99, p122-138.

Ice and Snow Accretion on Structures by Graham Poots, Edward P. Lozowski, CR Mar. 99, p54-55.

Multiple Linear Regressions for Lake Ice and Lake Temperature Characteristics, Shaobai Gao and Heinz G. Stefan, CR June 99, p59-77.

TLD Technique for Reducing Ice-Induced Vibration on Platforms, Xing Chen, Lingyu Wang and Jizu Xu, CR Sept. 99, p139-152.

Ice cover
Ice-Cover Influence on Near-Field Mixing in Dune-Bed Channel: Numerical Simulation, Cheng-Ann Tan, Sanjiv K. Sinha and Robert Ettema, CR Mar. 99, p1-20.

Ice flow
Numerical Study of Ice-Jam Dynamics in Upper Niagara River, Shunan Lu, Hung Tao Shen and Randy D. Crissman, CR June 99, p78-102.

Ice formation
Multiple Linear Regressions for Lake Ice and Lake Temperature Characteristics, Shaobai Gao and Heinz G. Stefan, CR June 99, p59-77.

Ice jams
Comparison of ICEJAM and RIVJAM Ice Jam Profile Models, D. Healy and F. Hicks, CR Dec. 99, p180-198.

Numerical Study of Ice-Jam Dynamics in Upper Niagara River, Shunan Lu, Hung Tao Shen and Randy D. Crissman, CR June 99, p78-102.

Ice sheets
Servo-Hydraulic Pin Loading Device (HPLD) for In-Situ Ice Testing, M. R. Vincent and J. P. Dempsey, CR Mar. 99, p21-36.

In situ tests
Servo-Hydraulic Pin Loading Device (HPLD) for In-Situ Ice Testing, M. R. Vincent and J. P. Dempsey, CR Mar. 99, p21-36.

Lagoons
Performance Evaluation of Aerated Lagoon in Summer and Winter Conditions, Rao Y. Surampalli, Sipong Ninaroon and Shankha K. Banerji, CR Sept. 99, p153-163.

Lakes
Multiple Linear Regressions for Lake Ice and Lake Temperature Characteristics, Shaobai Gao and Heinz G. Stefan, CR June 99, p59-77.

Leakage
Underground Leakage into Freezing Ground, S. J. Han, D. J. Goodings, A. Torrents and M. Zeinali, CR June 99, p103-112.

Linear analysis
Multiple Linear Regressions for Lake Ice and Lake Temperature Characteristics, Shaobai Gao and Heinz G. Stefan, CR June 99, p59-77.

Mixing
Ice-Cover Influence on Near-Field Mixing in Dune-Bed Channel: Numerical Simulation, Cheng-Ann Tan, Sanjiv K. Sinha and Robert Ettema, CR Mar. 99, p1-20.

Model tests
TLD Technique for Reducing Ice-Induced Vibration on Platforms, Xing Chen, Lingyu Wang and Jizu Xu, CR Sept. 99, p139-152.

Modulus of elasticity
Flexural Behavior of Model Sea Ice in Centrifuge, P. D. Barrette, R. Phillips, J. I. Clark, G. Crocker and S. J. Jones, CR Sept. 99, p122-138.

Morphology
Multiple Linear Regressions for Lake Ice and Lake Temperature Characteristics, Shaobai Gao and Heinz G. Stefan, CR June 99, p59-77.

Niagara River
Numerical Study of Ice-Jam Dynamics in Upper Niagara River, Shunan Lu, Hung Tao Shen and Randy D. Crissman, CR June 99, p78-102.

Nitrification
Performance Evaluation of Aerated Lagoon in Summer and Winter Conditions, Rao Y. Surampalli, Sipong Ninaroon and Shankha K. Banerji, CR Sept. 99, p153-163.

Numerical models
Comparison of ICEJAM and RIVJAM Ice Jam Profile Models, D. Healy and F. Hicks, CR Dec. 99, p180-198.

Ice-Cover Influence on Near-Field Mixing in Dune-Bed Channel: Numerical Simulation, Cheng-Ann Tan, Sanjiv K. Sinha and Robert Ettema, CR Mar. 99, p1-20.

Numerical Study of Ice-Jam Dynamics in Upper Niagara River, Shunan Lu, Hung Tao Shen and Randy D. Crissman, CR June 99, p78-102.

Offshore platforms
TLD Technique for Reducing Ice-Induced Vibration on Platforms, Xing Chen, Lingyu Wang and Jizu Xu, CR Sept. 99, p139-152.

Organic matter
Magnitude and Variability of Biogenic Interference in Cold Regions Soils, C. R. Woolard, D. M. White, J. L. Walworth and M. E. Hannah, CR Sept. 99, p113-121.

Performance evaluation
Performance Evaluation of Aerated Lagoon in Summer and Winter Conditions, Rao Y. Surampalli, Sipong Ninaroon and Shankha K. Banerji, CR Sept. 99, p153-163.

Permafrost
Site Investigations of Fuel Spill Migration into Permafrost, Kevin W. Biggar, Saleh Haidar, Michael Nahir and Peter M. Jarrett, CR June 98, p84-104.

Petroleum
Magnitude and Variability of Biogenic Interference in Cold Regions Soils, C. R. Woolard, D. M. White, J. L. Walworth and M. E. Hannah, CR Sept. 99, p113-121.

Regression analysis
Multiple Linear Regressions for Lake Ice and Lake Temperature Characteristics, Shaobai Gao and Heinz G. Stefan, CR June 99, p59-77.

Remedial action
Magnitude and Variability of Biogenic Interference in Cold Regions Soils, C. R. Woolard, D. M. White, J. L. Walworth and M. E. Hannah, CR Sept. 99, p113-121.

Resistance
Frost Resistance of Concrete: Proceedings of the International RILEM Workshop on Resistance of Concrete to Freezing and Thawing With or Without De-Icing Chemicals edited by M. J. Setzer and R. Auberg, J. J. Beaudoin, CR Mar. 99, p56-58.

Reviews
Cold Weather Concreting by Boris A. Krylov, Charles J. Korhonen, CR Dec. 99, p213-214.

River flow
Comparison of ICEJAM and RIVJAM Ice Jam Profile Models, D. Healy and F. Hicks, CR Dec. 99, p180-198.

Sea water
Flexural Behavior of Model Sea Ice in Centrifuge, P. D. Barrette, R. Phillips, J. I. Clark, G. Crocker and S. J. Jones, CR Sept. 99, p122-138.

Septic tanks
Natural Freezing, Drying, and Composting for Treatment of Septic Sludge, Annelie Hedström and Jörgen Hanaeus, CR Dec. 99, p167-179.

Site investigation
Site Investigations of Fuel Spill Migration into Permafrost, Kevin W. Biggar, Saleh Haidar, Michael Nahir and Peter M. Jarrett, CR June 98, p84-104.

Sludge treatment
Natural Freezing, Drying, and Composting for Treatment of Septic Sludge, Annelie Hedström and Jörgen Hanaeus, CR Dec. 99, p167-179.

Snow
Ice and Snow Accretion on Structures by Graham Poots, Edward P. Lozowski, CR Mar. 99, p54-55.

Soil pollution
Magnitude and Variability of Biogenic Interference in Cold Regions Soils, C. R. Woolard, D. M. White, J. L. Walworth and M. E. Hannah, CR Sept. 99, p113-121.

Soil properties
Magnitude and Variability of Biogenic Interference in Cold Regions Soils, C. R. Woolard, D. M. White, J. L. Walworth and M. E. Hannah, CR Sept. 99, p113-121.

Soil stability
Field Testing of Stabilized Soil, Vincent C. Janoo, Anthony J. Firicano, Lynette A. Barna and Sherri A. Orchino, CR Mar. 99, p37-53.

Soil tests
Magnitude and Variability of Biogenic Interference in Cold Regions Soils, C. R. Woolard, D. M. White, J. L. Walworth and M. E. Hannah, CR Sept. 99, p113-121.

Spills
Site Investigations of Fuel Spill Migration into Permafrost, Kevin W. Biggar, Saleh Haidar, Michael Nahir and Peter M. Jarrett, CR June 98, p84-104.

Structures
Ice and Snow: Accretion on Structures by Graham Poots, Edward P. Lozowski, CR Mar. 99, p54-55.

Subgrades
Field Testing of Stabilized Soil, Vincent C. Janoo, Anthony J. Firicano, Lynette A. Barna and Sherri A. Orchino, CR Mar. 99, p37-53.

Suspended solids
Performance Evaluation of Aerated Lagoon in Summer and Winter Conditions, Rao Y. Surampalli, Sipong Ninaroon and Shankha K. Banerji, CR Sept. 99, p153-163.

Temperature
Multiple Linear Regressions for Lake Ice and Lake Temperature Characteristics, Shaobai Gao and Heinz G. Stefan, CR June 99, p59-77.

Temperature effects
Performance Evaluation of Aerated Lagoon in Summer and Winter Conditions, Rao Y. Surampalli, Sipong Ninaroon and Shankha K. Banerji, CR Sept. 99, p153-163.

Thawing
Frost Resistance of Concrete: Proceedings of the International RILEM Workshop on Resistance of Concrete to Freezing and Thawing With or Without De-Icing Chemicals edited by M. J. Setzer and R. Auberg, J. J. Beaudoin, CR Mar. 99, p56-58.

Tuned liquid dampers
TLD Technique for Reducing Ice-Induced Vibration on Platforms, Xing Chen, Lingyu Wang and Jizu Xu, CR Sept. 99, p139-152.

Underground storage
Underground Leakage into Freezing Ground, S. J. Han, D. J. Goodings, A. Torrents and M. Zeinali, CR June 99, p103-112.

Vibration control
TLD Technique for Reducing Ice-Induced Vibration on Platforms, Xing Chen, Lingyu Wang and Jizu Xu, CR Sept. 99, p139-152.

AUTHOR INDEX

Andersland, Orlando B.
disc. (of Site Investigations of Fuel Spill Migration into Permafrost, by Kevin W. Biggar, Saleh Haidar, Michael Nahir and Peter M. Jarrett, CR June 98, p84-104), CR Sept. 99, p165-166

Banerji, Shankha K.
see Surampalli, Rao Y., CR Sept. 99, p153-163

Barna, Lynette A.
see Janoo, Vincent C., CR Mar. 99, p37-53

Barrette, P. D.
Flexural Behavior of Model Sea Ice in Centrifuge, with R. Phillips, J. I. Clark, G. Crocker and S. J. Jones, CR Sept. 99, p122-138

Beaudoin, J. J.
Frost Resistance of Concrete: Proceedings of the International RILEM Workshop on Resistance of Concrete to Freezing and Thawing With or Without De-Icing Chemicals edited by M. J. Setzer and R. Auberg, CR Mar. 99, p56-58

Biggar, Kevin W.
Site Investigations of Fuel Spill Migration into Permafrost, with Saleh Haidar, Michael Nahir and Peter M. Jarrett, CR June 98, p84-104
disc: Orlando B. Andersland, CR Sept. 99, p165-166
clo: CR Sept. 99, p166

Chen, Chujun
Glacial Lake Outburst Floods in Upper Nainchu River Basin, Tibet, with Tiefeng Wang, Zhi Zhang and Zhiqiang Liu, CR Dec. 99, p199-212

Chen, Xing
TLD Technique for Reducing Ice-Induced Vibration on Platforms, with Lingyu Wang and Jizu Xu, CR Sept. 99, p139-152

Clark, J. I.
see Barrette, P. D., CR Sept. 99, p122-138

Crissman, Randy D.
see Lu, Shunan, CR June 99, p78-102

Crocker, G.
see Barrette, P. D., CR Sept. 99, p122-138

Dempsey, J. P.
see Vincent, M. R., CR Mar. 99, p21-36

Ettema, Robert
see Tan, Cheng-Ann, CR Mar. 99, p1-20

Firicano, Anthony J.
see Janoo, Vincent C., CR Mar. 99, p37-53

Gao, Shaobai
Multiple Linear Regressions for Lake Ice and Lake Temperature Characteristics, with Heinz G. Stefan, CR June 99, p59-77

Goodings, D. J.
see Han, S. J., CR June 99, p103-112

Haidar, Saleh
see Biggar, Kevin W., CR June 98, p84-104

Han, S. J.
Underground Leakage into Freezing Ground, with D. J. Goodings, A. Torrents and M. Zeinali, CR June 99, p103-112

Hanaeus, Jörgen
see Hedström, Annelie, CR Dec. 99, p167-179

Hannah, M. E.
see Woolard, C. R., CR Sept. 99, p113-121

Healy, D.
Comparison of ICEJAM and RIVJAM Ice Jam Profile Models, with F. Hicks, CR Dec. 99, p180-198

Hedström, Annelie
Natural Freezing, Drying, and Composting for Treatment of Septic Sludge, with Jörgen Hanaeus, CR Dec. 99, p167-179

Hicks, F.
see Healy, D., CR Dec. 99, p180-198

Janoo, Vincent C.
Field Testing of Stabilized Soil, with Anthony J. Firicano, Lynette A. Barna and Sherri A. Orchino, CR Mar. 99, p37-53

Jarrett, Peter M.
see Biggar, Kevin W., CR June 98, p84-104

Jones, S. J.
see Barrette, P. D., CR Sept. 99, p122-138

Korhonen, Charles J.
Cold Weather Concreting by Boris A. Krylov, CR Dec. 99, p213-214

Liu, Zhiqiang
see Chen, Chujun, CR Dec. 99, p199-212

Lozowski, Edward P.
Ice and Snow Accretion on Structures by Graham Poots, CR Mar. 99, p54-55

Lu, Shunan
Numerical Study of Ice-Jam Dynamics in Upper Niagara River, with Hung Tao Shen and Randy D. Crissman, CR June 99, p78-102

Nahir, Michael
see Biggar, Kevin W., CR June 98, p84-104

Ninaroon, Sipong
see Surampalli, Rao Y., CR Sept. 99, p153-163

Orchino, Sherri A.
see Janoo, Vincent C., CR Mar. 99, p37-53

Phillips, R.
see Barrette, P. D., CR Sept. 99, p122-138

Shen, Hung Tao
see Lu, Shunan, CR June 99, p78-102

Sinha, Sanjiv K.
see Tan, Cheng-Ann, CR Mar. 99, p1-20

Stefan, Heinz G.
see Gao, Shaobai, CR June 99, p59-77

Surampalli, Rao Y.
Performance Evaluation of Aerated Lagoon in Summer and Winter Conditions, with Sipong Ninaroon and Shankha K. Banerji, CR Sept. 99, p153-163

Tan, Cheng-Ann
Ice-Cover Influence on Near-Field Mixing in Dune-Bed Channel: Numerical Simulation, with Sanjiv K. Sinha and Robert Ettema, CR Mar. 99, p1-20

Torrents, A.
see Han, S. J., CR June 99, p103-112

Vincent, M. R.
Servo-Hydraulic Pin Loading Device (HPLD) for In-Situ Ice Testing, with J. P. Dempsey, CR Mar. 99, p21-36

Walworth, J. L.
see Woolard, C. R., CR Sept. 99, p113-121

Wang, Lingyu
see Chen, Xing, CR Sept. 99, p139-152

Wang, Tiefeng
see Chen, Chujun, CR Dec. 99, p199-212

White, D. M.
see Woolard, C. R., CR Sept. 99, p113-121

Woolard, C. R.
Magnitude and Variability of Biogenic Interference in Cold Regions Soils, with D. M. White, J. L. Walworth and M. E. Hannah, CR Sept. 99, p113-121

Xu, Jizu
see Chen, Xing, CR Sept. 99, p139-152

Zeinali, M.
see Han, S. J., CR June 99, p103-112

Zhang, Zhi
see Chen, Chujun, CR Dec. 99, p199-212